

VERMEULEN et al. -- 10/825,224
Attorney Docket: 081468-0309212

IN THE SPECIFICATION:

The specification as amended as follows:

Page 1, delete paragraph [0003] and replace it with the following new paragraph:

[0003] In a scanner, portions of the substrate are scanned successively. In between a scanning of a portion and a scanning of a next portion of the substrate, a movement is made to position the substrate and the patterned beam relative to each other such that scanning of the next portion of the substrate can start. The scanning movement can be performed by moving the substrate, or by moving a suitable part of the illumination system and/or a suitable part of the projection system. Also, it is possible that each of these elements or any suitable combination thereof is moved thus achieving a desired scanning of the patterned beam relative to the substrate. The moving of the different elements with respect to one another is generally performed using positioning devices. Amongst others, use is made of linear and planar positioning devices.

Page 3, delete paragraph [0012] and replace it with the following new paragraph:

[0012] One or more of these and other aspects are achieved with a coil assembly including at least one first coil and the at least one second coil, the coils being arranged in a common plane, the at least one first coil and the at least one second coil overlapping one another partially and defining at least one crossover area where respective crossover sections of the at least one first coil and the at least one second coil cross one another, and the crossover sections having a respective crossover section height perpendicular to the plane, wherein the combined crossover section heights of the crossover sections in the crossover area equal at most a height of one of the at least one first coil and at least one second coil outside the at least one crossover area.

Page 6, delete paragraph [0025] and replace it with the following new paragraph:

[0025] A method according to the present invention for device manufacturing includes

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~~providing a substrate;~~ providing a beam of radiation using an illumination system; using a patterning device to impart the beam with a pattern in its cross-section; projecting the patterned beam of radiation onto a target portion of ~~[[the]]~~ a substrate; and providing a positioning device including a first part and a second part which are displaceable with respect to one another in at least one direction, the first part including a system of magnets, the second part including a coil assembly including at least one first coil and at least one second coil, the coils being arranged in a common plane, the at least one first coil and the at least one second coil overlapping one another partially and defining at least one crossover area where respective crossover sections of the at least one first coil and at least one second coil cross one another, the crossover sections having a respective crossover section height perpendicular to the common plane, and wherein the combined crossover section heights of the crossover sections in the crossover area equal at most a height of ~~one of the at least one first coil and at least one second coil outside the at least one crossover area;~~ connecting the first part to one of a support for the patterning device and a table for the substrate; connecting the second part to the other of the support and the table; and moving the support and the table with respect to each other using the positioning device.

Page 12, delete paragraph [0051] and replace it with the following new paragraph:

[0051] FIGS. 4 and 5 show a configuration of three coils 6, 7, and 8 according to the present invention. Each coil 6, 7 and 8 includes two main current conductor sections 6A and 6B, 7A and 7B, and 8A and 8B, respectively, which lie in parallel to one another. Further, each coil 6, 7 and 8 includes two crossover sections 6C and 6D, 7C and 7D, and 8C and 8D, respectively, which connect the two main current conductor sections of the respective coil with one another. Each coil 6, 7 and 8 includes an open area (not shown), bounded by the two main current conductor sections xA and xB and the two crossover sections xC and xD (x= 6, 7, 8). The coils 6, 7, and 8 are configured in a partially overlapping position, wherein the main current conductor sections 7A and 8A are positioned within an open area of coil 6. In turn, main current conductor sections 8A and 6B are positioned within an open area of coil 7. And lastly, main current conductor sections 6B and ~~[[8b]]~~ 7B are positioned within an open area of coil 8. A crossing area 20 is defined as the area wherein the respective crossover sections 6D, 7D and 8D of the coils cross one another.